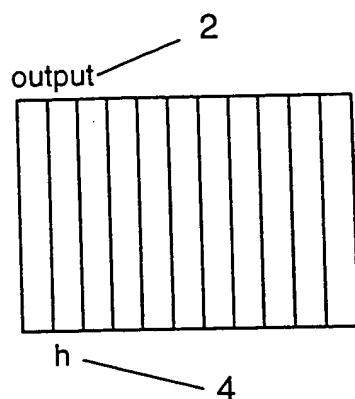


One Phase SI

Slicing the output image.

The width of the slice depends on the decoder lens' frequency.



The frequency of-

D-7X = 177 line/inch

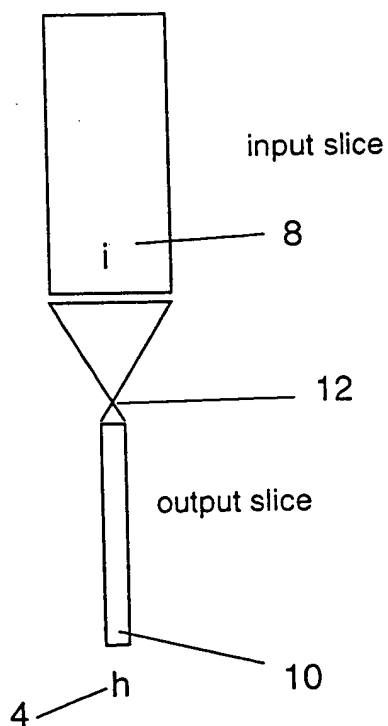
D-7 = 152.5 line/inch

D-6 = 134 line/inch

D-9 = 69 line/inch

if the 'x2' option is on, it means that the frequency will duplicate.

Inside of every slice the process is the same.



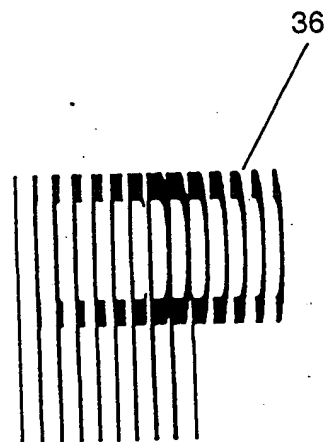
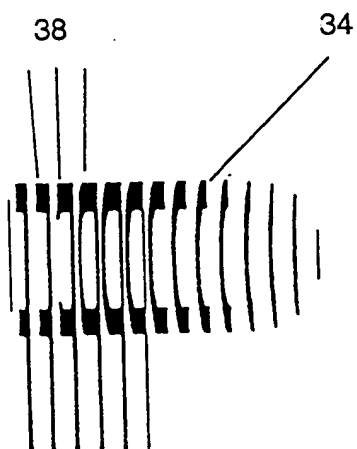
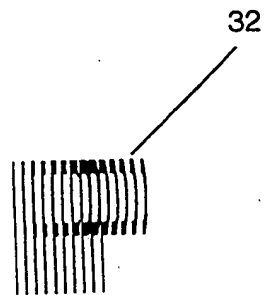
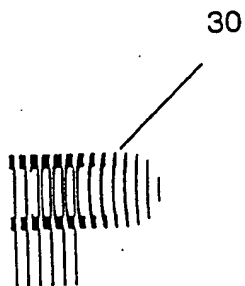
The process is the following:
getting the data from the input slice,
zooming, flipping (if the flip option is on)

$$10 \quad o = h * \text{Density} / 100$$

$$8 \quad i = \text{Basecode}$$

Fig. 1

064496429263



Elements of the S.I. Image are
Flipped.

Elements of the S.I. Image are
not Flipped.

Enlarged 400%

Enlarged 400%

(A)

(B)

Fig. 2

Two phase SI

The method is similar to that of the One Phase SI, but the width of the slice is half of the One Phase SI. Every odd slice input is 'source one' file, every even slice is 'source two' file

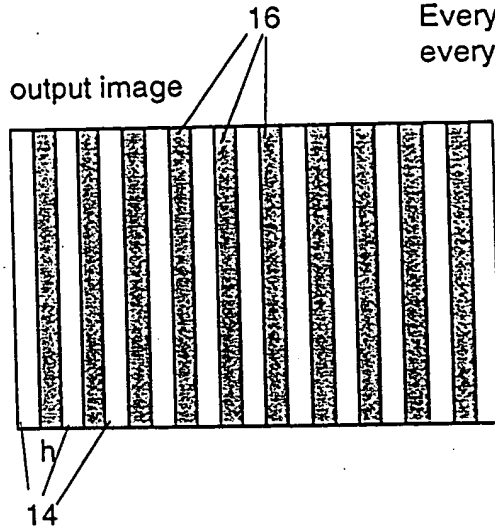


Fig. 3

The process inside slice is the same to that of the One Phase SI.

Three Phase SI

The method is similar to that of the Two Phase SI, but the width of slice is one third of the One Phase SI. Every third slice input is the same.

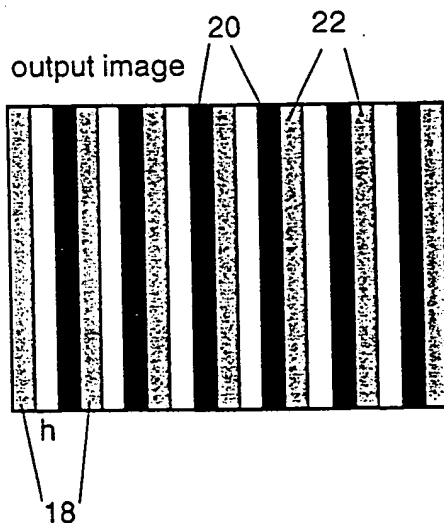
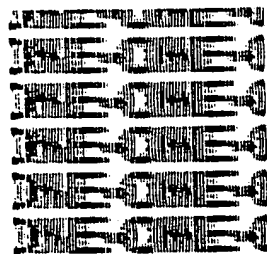


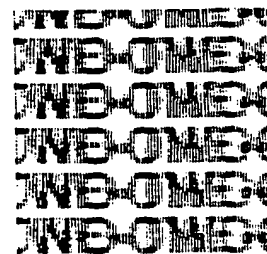
Fig. 4

The inside slice process is the same as that of the One Phase SI.

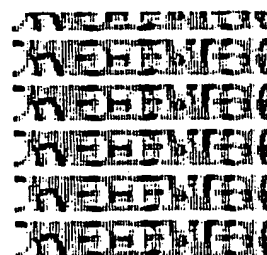
05367400 03400



One Phase



TwoPhase



Three Phase

Fig. 5

00667430 034400

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80

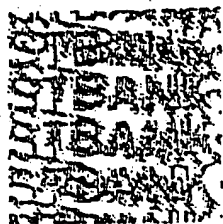
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90

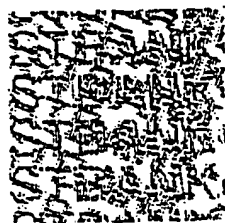
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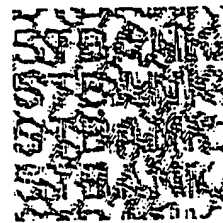
Fig. 6



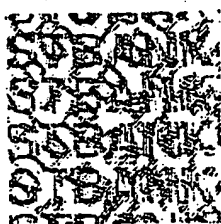
2 phase 10°



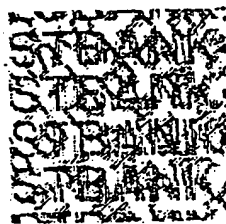
2 phase 20°



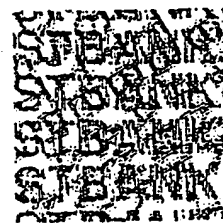
2 phase 30°



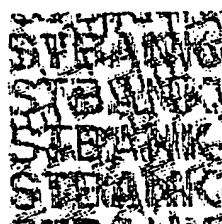
2 phase 40°



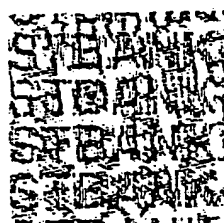
2 phase 50°



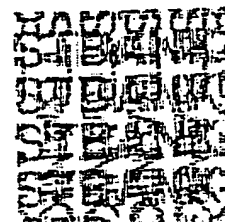
2 phase 60°



2 phase 70°



2 phase 80°



2 phase 90°

Fig. 8

DIGITAL
HIGH-RES
IMAGE
PROCESSED
IN
ADOBE
PHOTOSHOP



Original Color(RGB)
Image

42

Separate colors

48



Cyan

44



Magenta

46



Yellow



Black

SCRAMBLED INDICIA® SOFTWARE RUNNING ON A SILICON GRAPHICS WORKSTATION, USING THE
HIDDEN IMAGE FEATURE, COMBINES THE IMAGES FOR THE FINAL HIGH RESOLUTION SEPARATION.

52

50



42



Cyan

Invisible Image and Cyan
Visible image are merged
during Scramble to produce
a new CYAN Plate



Final Cyan Separation Which
Incorporates the Hidden Image
Feature created using SI®Software.

56

54

Invisible Image

44

Visible Image
Magenta



Invisible Image and
Magenta Visible image are
merged during Scramble to
produce a new Magenta
Plate



Final Magenta Separation Which
Incorporates the Hidden Image
Feature created using SI®Software.

Fig. 9

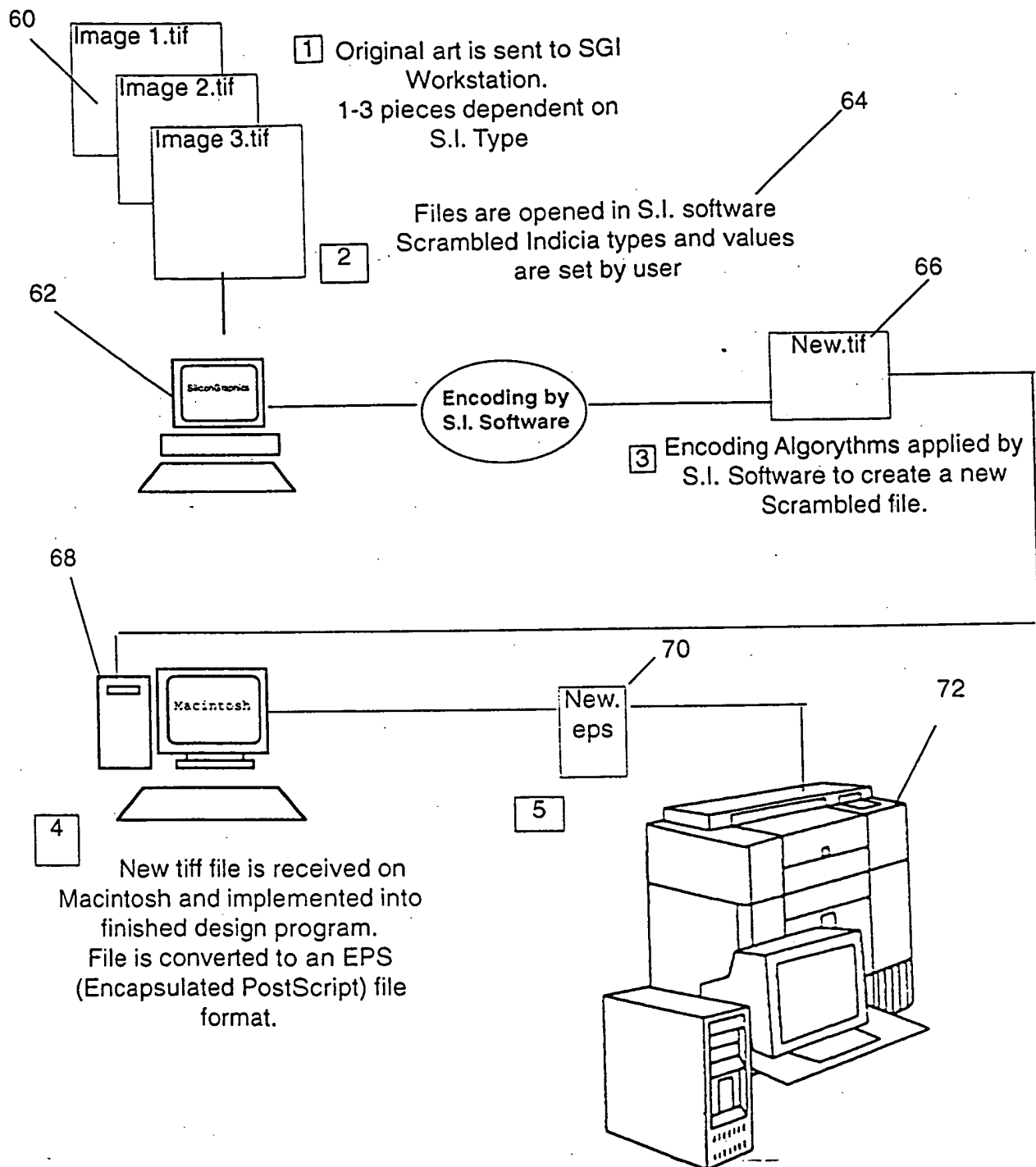
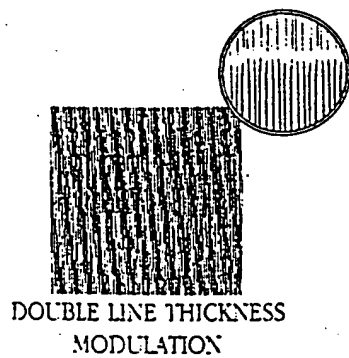
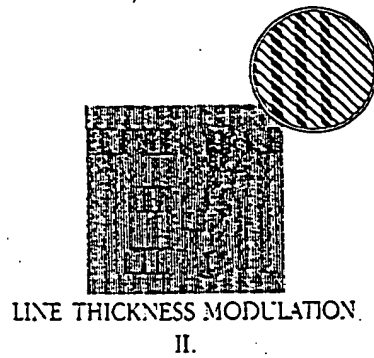


Fig. 10

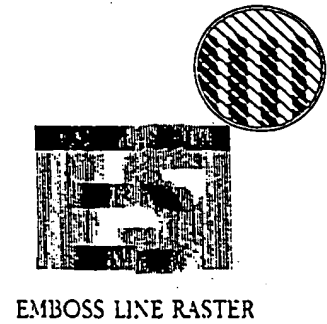


DOUBLE LINE THICKNESS MODULATION

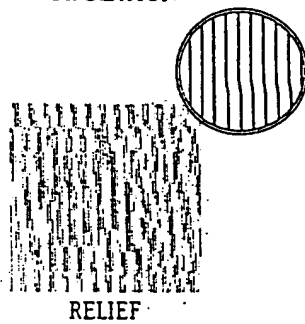


LINE THICKNESS MODULATION

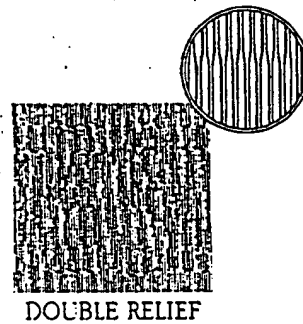
II.



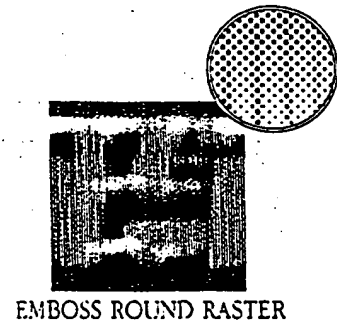
EMBOSS LINE RASTER



RELIEF



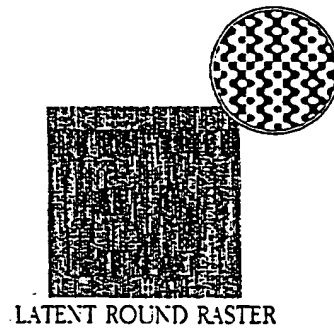
DOUBLE RELIEF



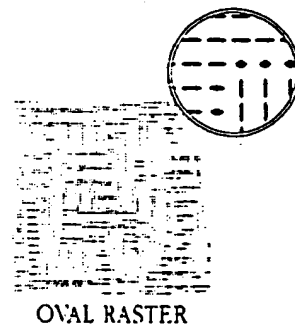
EMBOSS ROUND RASTER



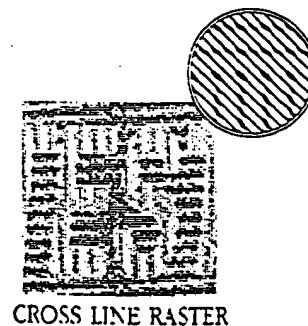
CROSS RASTER



LATENT ROUND RASTER



OVAL RASTER



CROSS LINE RASTER

Fig. 11

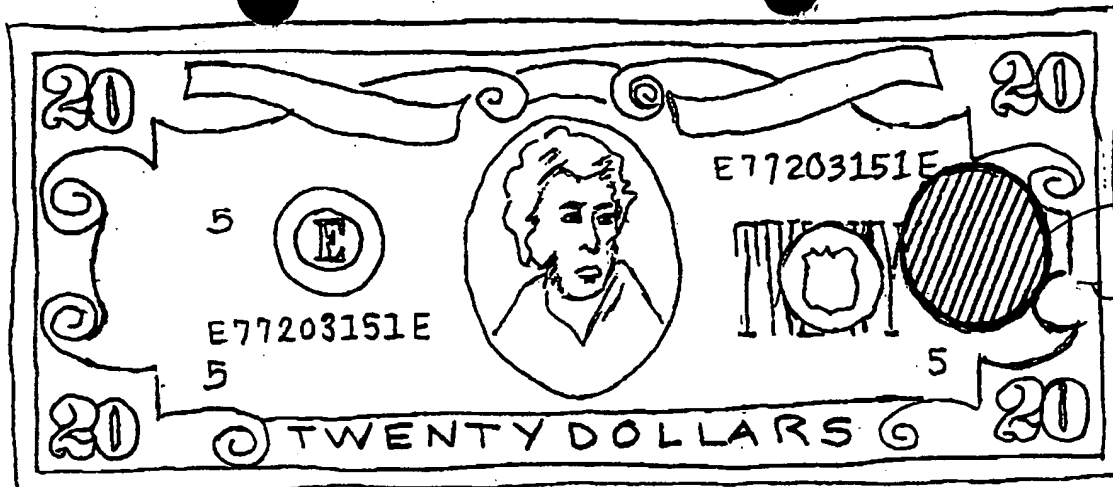


FIG 12

100

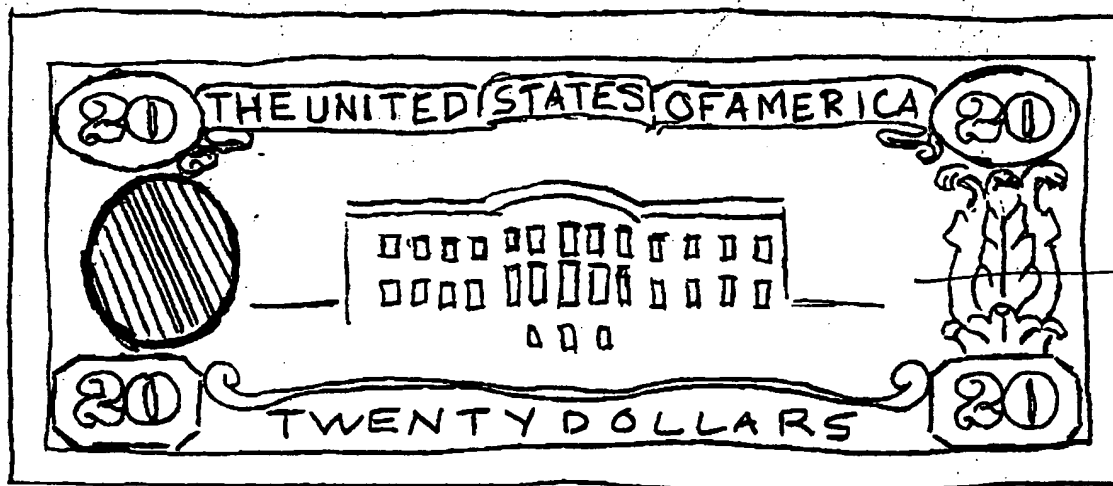


FIG 13

FOLDED

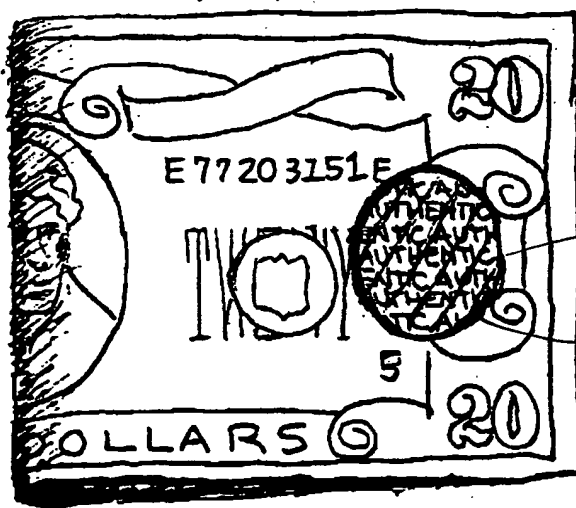
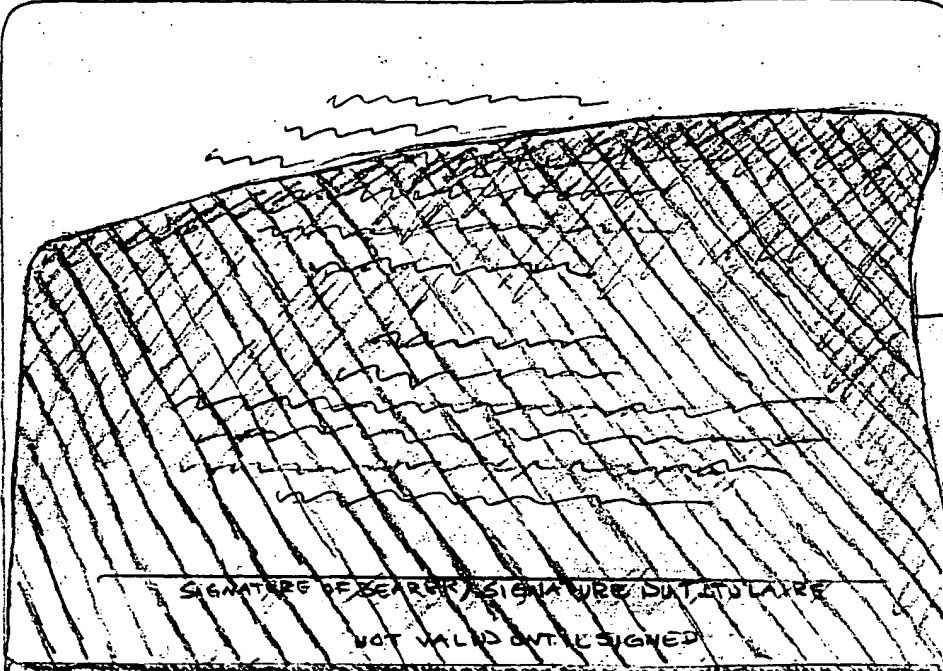


FIG 14


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Co./Dept.	Phone #	Phone #	
	Fax #	Fax #	

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FIG 15

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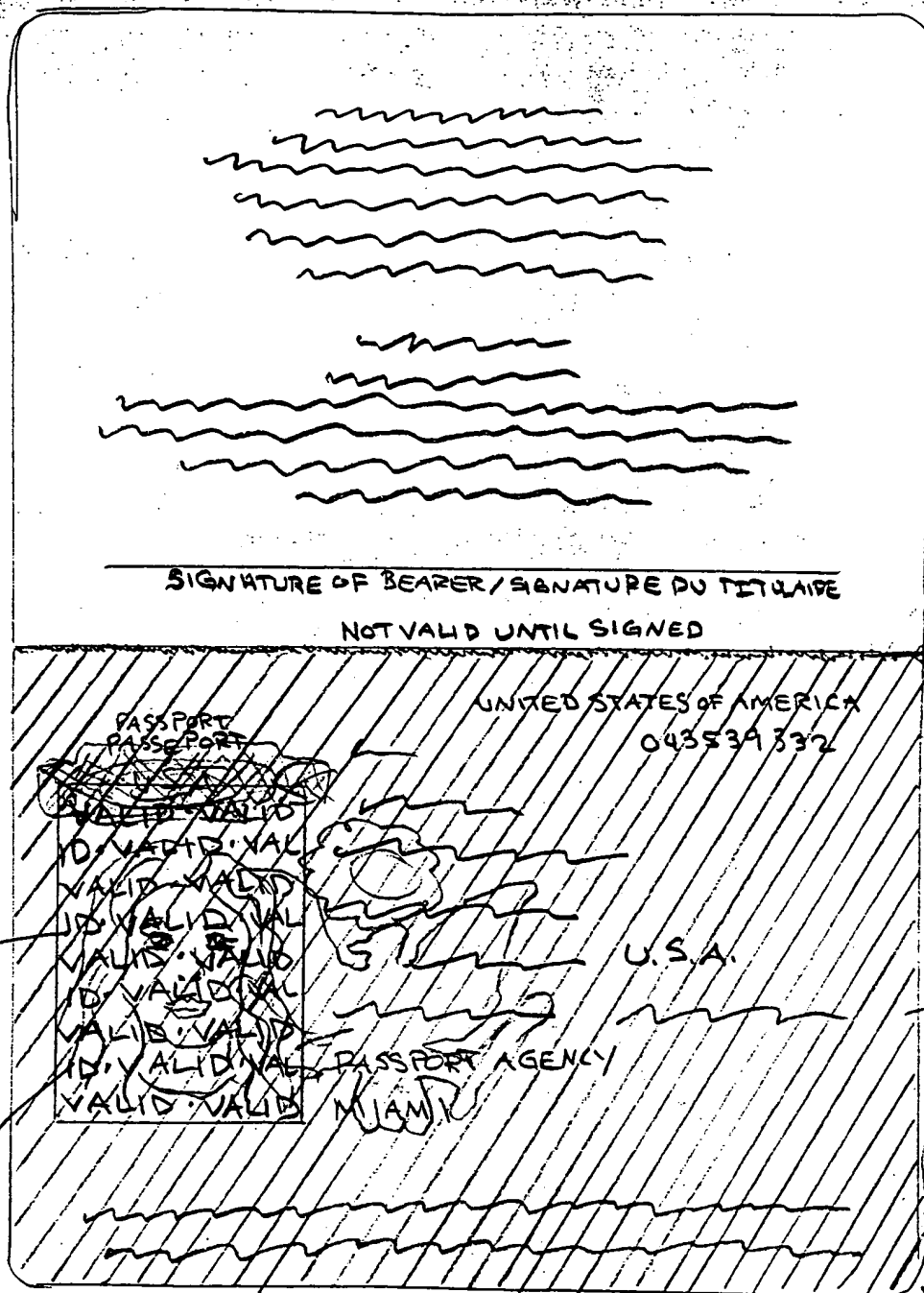


FIG 16

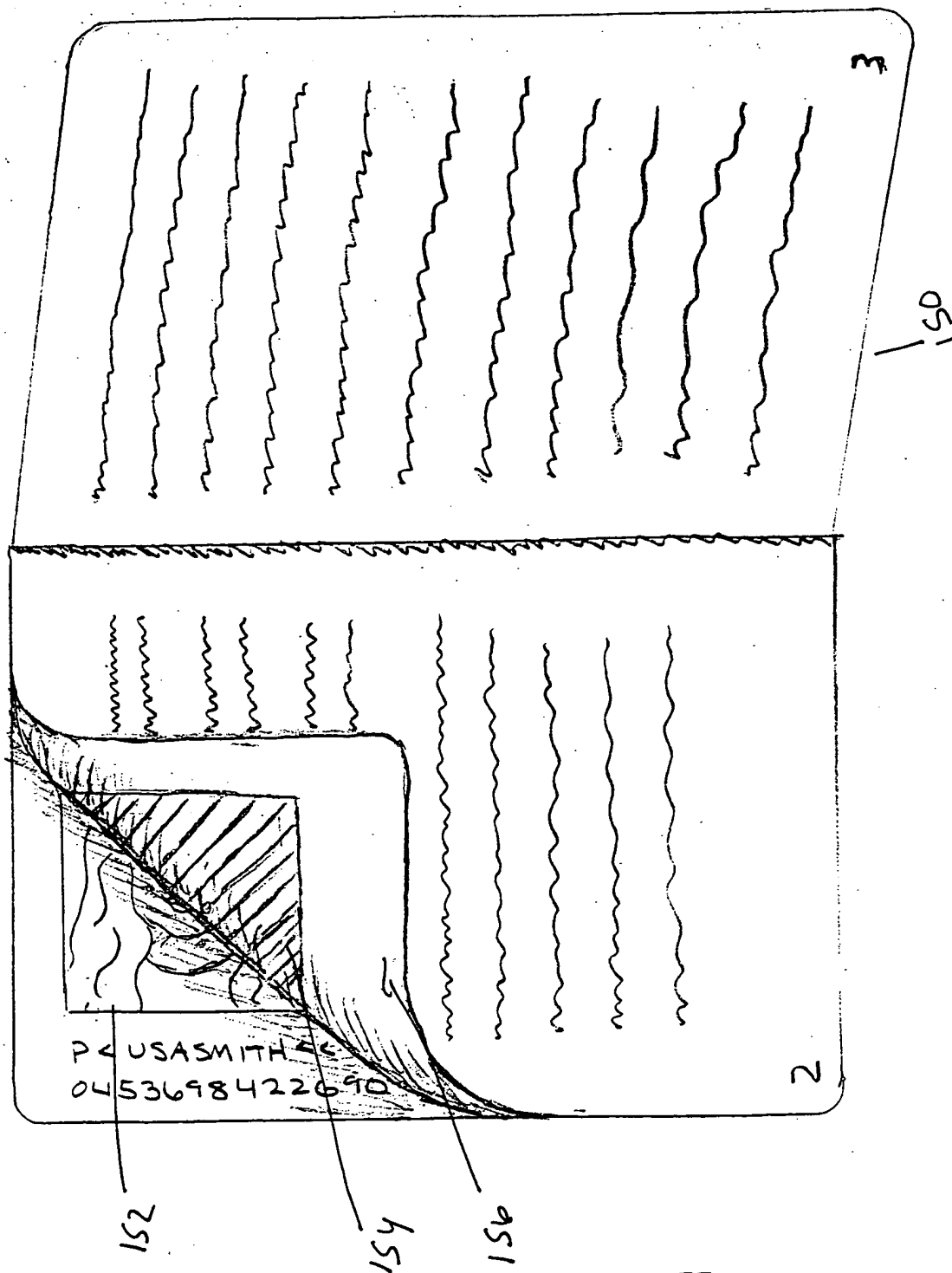


Fig 17

FIG. 18

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151

152

153

154

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